

PATENT COOPERATION TREATY PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/AU02/01749	International filing date (<i>day/month/year</i>) 24 December 2002	(Earliest) Priority Date (<i>day/month/year</i>) 28 December 2001
Applicant M.J.BUSHBY (CONSULTING) PTY LTD et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (See Box II).

4. With regard to the title, ☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract, ☐ the text is approved as submitted by the applicant

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No. 3

☒ as suggested by the applicant.

☐ None of the figures

☐ because the applicant failed to suggest a figure

☐ because this figure better characterizes the invention

III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

A thermoplastic can (1) comprising a thermoplastic body (2) having a disc like top (3) moulded as one with a tubular element (5) defining the sides of the body (2) and extending downwardly from the peripheral portions of the top (3); an openable portion associated with the top to facilitate use of the can contents by an end user; a thermoplastic base member (7) having an externally directed protrusion (8) engaged in a relatively thin walled recess (9) in the radially internally facing lower peripheral portion of the body thereby effecting a permanent seal at the base of the container after filling thereof; the resistance to permanent inward deformation of the externally directed protrusion exceeding the resistance to permanent outward deformation of the thin walled recess; the wall thickness of the lower peripheral portion of the body below the thin walled recess exceeding that of the thin walled recess.

CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: B65D 8/04, B65B 7/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

REFER ELECTRONIC DATA BASE CONSULTED BELOW

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI: IPC: B65D; B65B 7/28 and Keywords: thermoplastic, can, protrude, recess, seal, deform, base, separate and similar terms.

ESP@CE: thermoplastic, can, protrusion

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5529202 (SHAMIS) 25 June 1996 See figure 1 and abstract	1-11
X	US 4046282 (RUCH) 6 September 1977 See figure 3 and abstract	1-11
A	GB 2102729 (BOISE CASCADE CORP) 9 February 1983 Abstract	1-11



Further documents are listed in the continuation of Box C



See patent family annex

- * Special categories of cited documents:
- | | |
|---|--|
| "A" document defining the general state of the art which is not considered to be of particular relevance | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
| "E" earlier application or patent but published on or after the international filing date | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "O" document referring to an oral disclosure, use, exhibition or other means | "&" document member of the same patent family |
| "P" document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search
20 February 2003Date of mailing of the international search report
12 MAR 2003Name and mailing address of the ISA/AU
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

CT/AU02/01749

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	5529202	AU	19908/92	BR	9205931	CA	2108690
		EP	699042	FI	934668	NO	933814
		WO	9219136				
US	4046282	US	3915613	US	4005101		
GB	2102729	AU	77096/81	BE	891364	CA	1169371
		CH	654246	CH	662982	CH	663757
		DE	3148537	DK	5229/81	FR	2510469
		GB	2154935	GB	2154936	JP	58010417
		SE	8107335	US	4353761	US	4402451
		US	4411726				
END OF ANNEX							